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of

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Application Number	TBA
Filing Date	April 21, 2004
First Named Inventor	Bert Vogelstein
Prior Group Art Unit	1637
Prior Examiner Name	J. Siew
Attorney Docket Number	001107.00474

BEST AVAILABLE COPY**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MEB	US-5,213,981		05-25-93	Bunn et al	
	US-5,736,333		04-07-98	Livak et al	
	US-5,518,901		05-21-98	Murtagh	
	US-5,804,383		09-08-1998	Gruenert et al.	
	US-5,858,663		01-12-1999	Nisson et al.	
	US-5,870,325		09-1997	Lapidus et al.	
	US-6,037,130		03-14-2000	Tyagi et al.	
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	US-5,928,870		07-1999	Lapidus et al.	
	US-6,020,137		02-2000	Lapidus et al.	
	US-6,143,496		11-2000	Brown et al.	
	US-6,291,163		09-18-01	Sidransky	
	US-				

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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MEB	WO 95/13399		05-18-1995			
	EP 0643140 A		03-15-1995			
	WO 99/13113		03-18-1999			

Examiner Signature

/Molly Baughman/

Date Considered

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Examiner Name	J. Siew

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MEB		A. PIATEK et al., "Molecular Beacon Sequence Analysis for Detecting Drug Resistance in <i>Mycobacterium Tuberculosis</i> ", <i>Nature Biotechnology</i> , April 1998, pp. 359-363, Vol. 16, No. 4	
		S. TYAGI et al., "Multicolor Molecular Beacons for allele discrimination", <i>Nature Biotechnology</i> , pp. 303-308, January 1998, Vol. 16, No. 1	
		J. A.M. VET et al., "Multilex Detection of Four Pathogenic Retroviruses Using Molecular Beacons", <i>Proceedings of the National Academy of Sciences of the United States</i> , May 25, 1999, pp. 6394-6399, Vol. 96, No. 11	
		S. TYAGI et al., "Molecular Beacons: probes that Fluoresce Upon Hybridization", <i>Nature Biotechnology</i> , 1996, pp. 303-308, Vol. 14, No. 3	
		W. P. HALFORD et al., "The Inherent Quantitative Capacity of the Reverse Transcription-Polymerase Chain Reaction", <i>Analytical Biochemistry</i> , January 15, 1999, pp. 181-191, Vol. 268, No. 2	
		B. VOGELSTEIN et al., "Digital PCR", <i>Proceedings of the National Academy of Sciences of the United States</i> , August 3, 1999, pp. 9238-9241, Vol. 96, No. 16	
		K. D.E. EVERETT et al., "Identification of nine species of the Chlamydiaceae Using PCR-RFLP", April 1999, pp. 803-813, Vol. 49, No. 2	
		Darren G. MONCKTON, et al., "Minisatellite "Isoallele" Discrimination in Pseudohomozygotes by Single Molecule PCR and Variant Repeat Mapping", <i>Genomics</i> 11, pp. 465-467, 1991 *	
		Gualberto RUANO, et al., "Haplotype of Multiple Polymorphisms Resolved by Enzymatic Amplification of Single DNA Molecules", <i>Proc. National Science USA</i> , 1990 *	
		W. NAVIDI, et al., "Using PCR in Preimplantation Genetic Disease Diagnosis", <i>Human Reproduction</i> , Vol. 6, No. 6, pp. 836-849, 1991 *	
V		Hongua LI, et al., "Amplification and Analysis of DNA Sequences in Single Human Sperm and Diploid Cells", <i>Nature</i> , Vol. 335, September 29, 1988 *	

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MEB	/	Lin ZHANG, <i>et al.</i> , "Whole Genome Amplification from a Single Cell: Implications for Genetic Analysis", Proc. National Science USA, Vol. 89, pp. 5847-5851, July 1992 *	
		David SIDRANSKY, <i>et al.</i> , "Clonal Expansion of p53 Mutant Cells is Associated with Brain Tumour Progression", Nature, February 27, 1992 *	
		Alec J. JEFFREYS, <i>et al.</i> , "Mutation Processes at Human Minisatellites", Electrophoresis, pp. 1577-1585, 1995 *	
		C. SCHMITT, <i>et al.</i> , "High Sensitive DNA Typing Approaches for the Analysis of Forensic Evidence: Comparison of Nested Variable Number of Tandem Repeats (VNTR) Amplification and a Short Tandem Repeats (STR) Polymorphism", Forensic Science International, Vol. 66, pp. 129-141, 1994 *	
	/	Paul M. LIZARDI, <i>et al.</i> , "Mutation Detection and Single-Molecule Counting Using Isothermal Rolling-Circle Amplification", Nature Genetics, Vol. 19, July 1998 *	
▼	/	R. PARSONS, <i>et al.</i> , "Mismatch Repair Deficiency in Phenotypically Normal Human Cells", Science, Vol. 268, May 5 1995 *	

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